

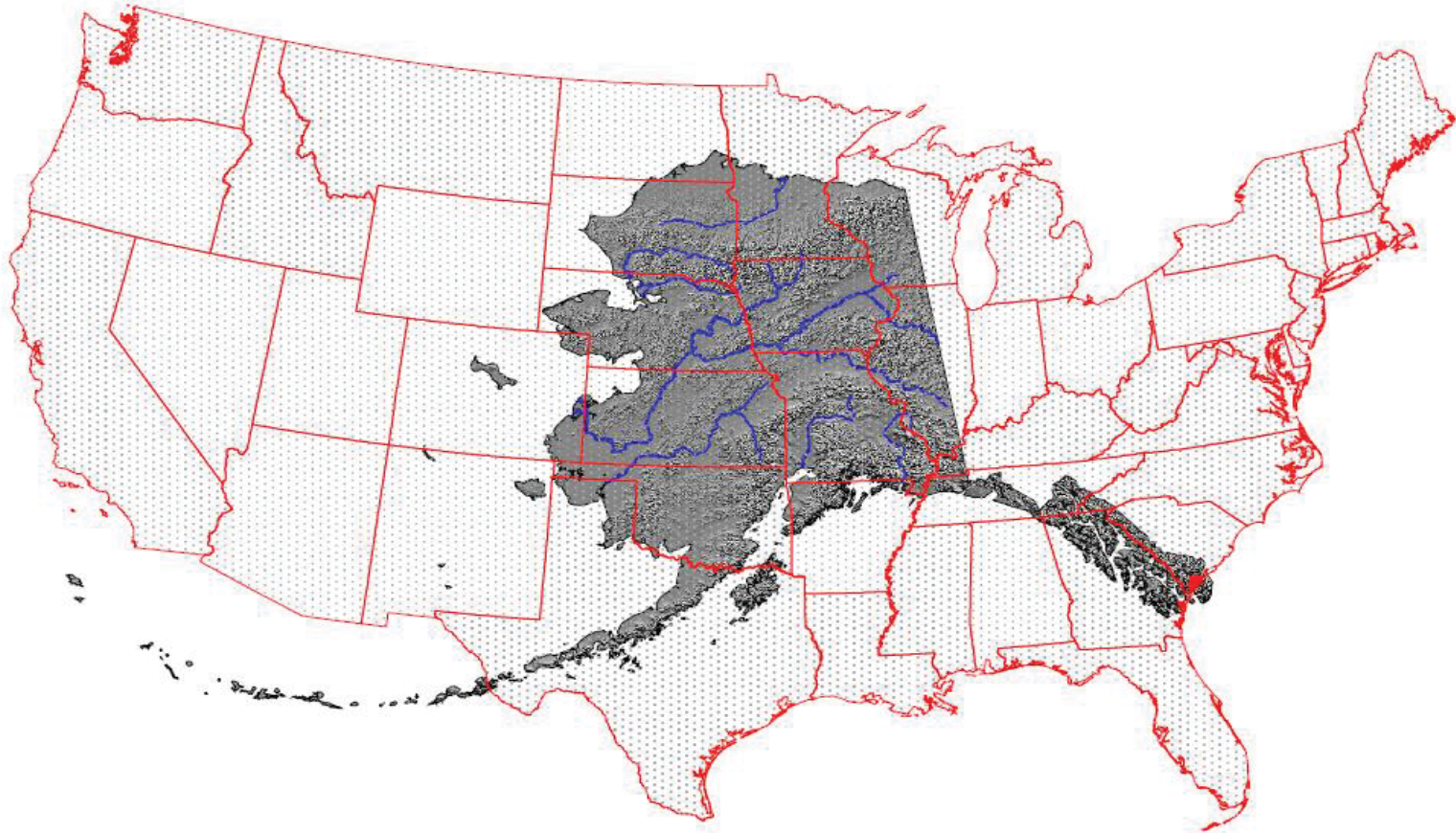
Copper Valley Telecom

- Serving 9600 square miles
- 4,000 access lines
- Density of less than .7 people per square mile
- 360 miles of fiber
- 2 major microwave pathways
 - 100 miles
 - 60 miles

Copper Valley Wireless

- Serving more than 15,000 square miles
- Population of 9,000
- Density of less than .6 people per square mile
- Less than 500 road miles in serving area
- More than 3,000 square miles of water (Prince William Sound)
- 39 cell sites 3G; 24 sites 4G LTE

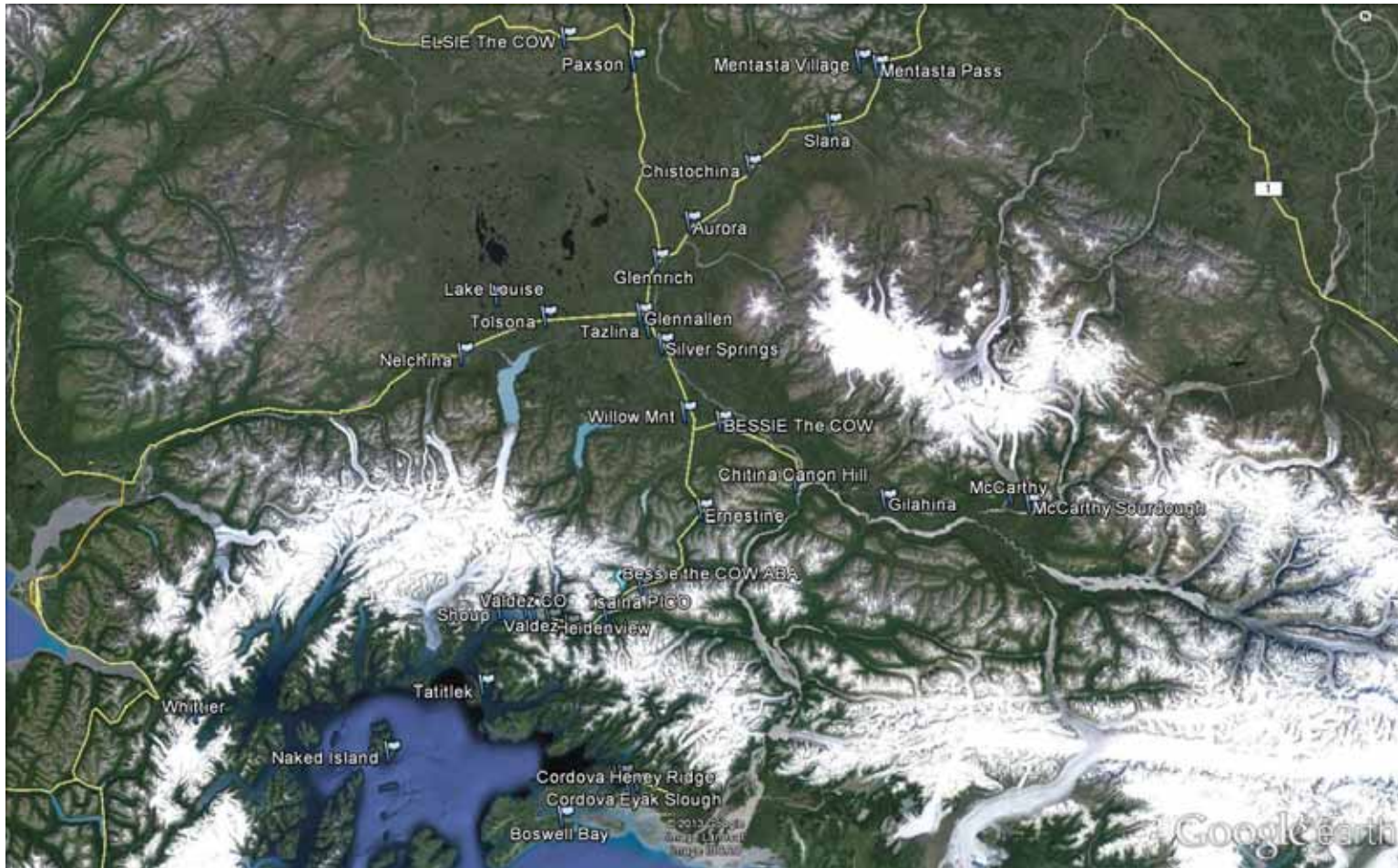
Alaska Superimposed over the Continental United States



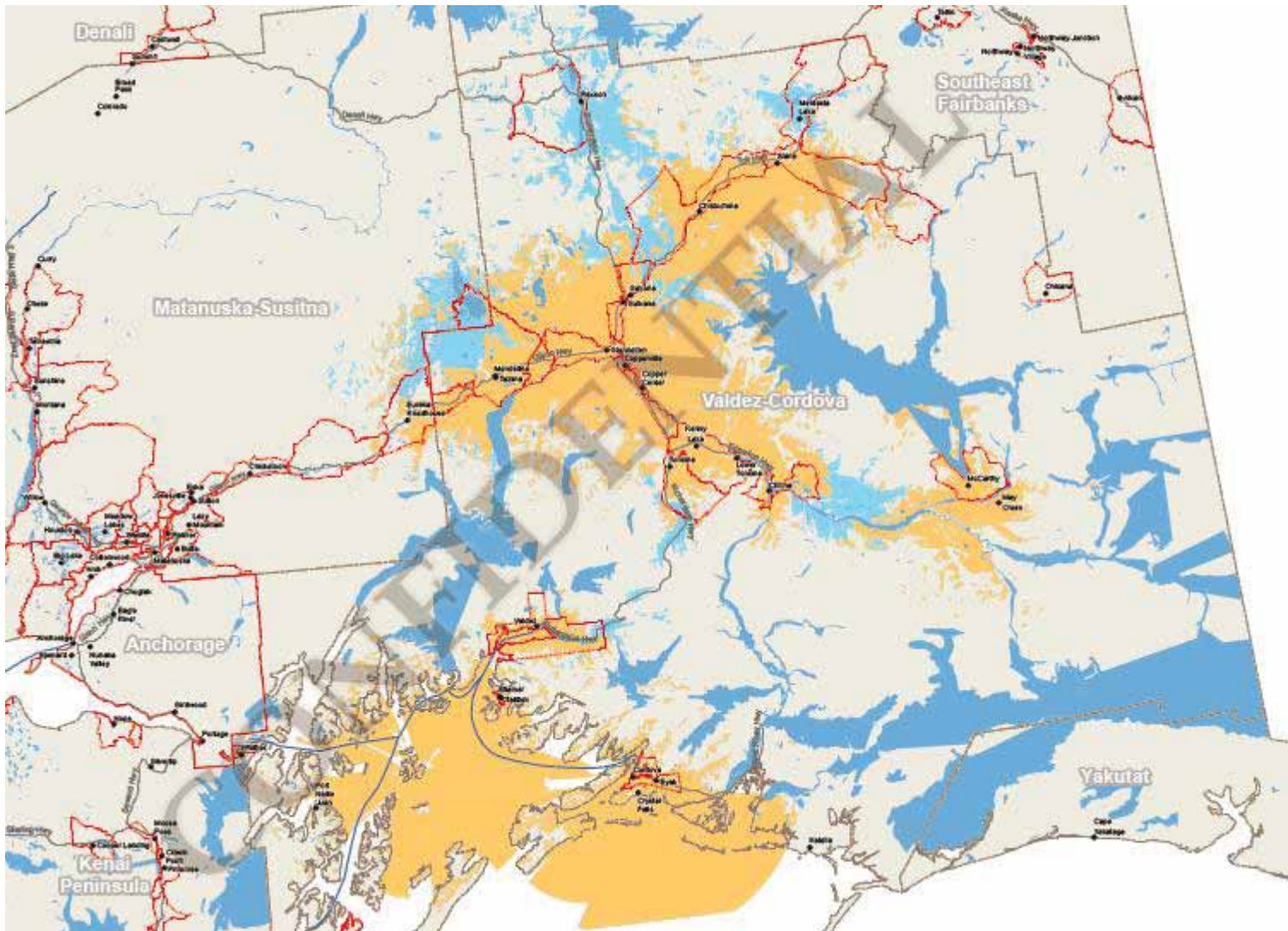
500 0 500 1000 Miles



Copper Valley Wireless Network



4G LTE Coverage



Land of Extremes





Responding to the Community

- In January 2014, major avalanches occurred in Keystone Canyon and further north along the Richardson Highway. As a result, highway access was blocked to Valdez and to rural areas between the avalanches. Copper Valley Telecom communications network in the affected areas remained in good condition. Buried fiber optic cable, which is the backbone of voice and data communications in the area was undamaged, even though the area was flooded. Our Internet landline, and wireless services in the Heiden View and Thompson Pass area were out for short periods of time during the weekend immediately following the incident, but were restored and operational for the remaining days that it took the Department of Transportation to clear the highway. Our services in Alpine Woods subdivision, which was under flash flood alerts for periods of time, operated normally during the event. Copper Valley worked with the City of Valdez to establish a cellular based remote camera at the western end of Keystone Canyon to provide real time monitoring of the Lower River for flood hazard.



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Weeks after avalanches, lone road to Valdez opens



Alaska Department of Transportation & Public Facilities/Associated Press - This Feb. 5, 2014 photo released by the Alaska Department of Transportation & Public Facilities shows Richardson Highway at Keystone Canyon, Valdez, Alaska. On Wednesday Feb. 5, 2014 two weeks after cascades of snow prevented vehicles from getting into the only road to Valdez has reopened. Crews finished clearing away the remaining avalanche debris, and

By Associated Press, Published: February 5

VALDEZ, Alaska — Two weeks after cascades of snow prevented vehicles from getting into this city at the end of the trans-Alaska pipeline, the only road to Valdez has reopened.

Crews finished clearing away the remaining avalanche debris, and there was no damage to Richardson Highway, the Anchorage Daily News reported (<http://is.gd/nvV4Mr>).

Bus with Ski Teams Collides with Truck

DEVIN KELLY
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Staff

A charter **bus** carrying Kenai-area students to a cross-country **ski** meet collided with a state Department of Transportation **truck** on the Richardson Highway on Friday morning, seriously injuring the **bus** driver, officials said. Vernon Brown, 72, of Kenai was eventually flown to Providence Alaska Medical Center in Anchorage to be treated for his injuries, said Beth Ipsen, Alaska State Troopers spokeswoman.

The crash was reported to authorities at 11:44 a.m. on a straight stretch of highway about two miles from the start of Thompson Pass. Snow was blowing, creating visibility problems, Ipsen said.

The **bus**, chartered by the Kenai Peninsula Borough School District from the Kenai-based Unique **Bus** Charters company, was following the large DOT **truck**, Ipsen said.

The **truck**, similar to a snowplow **truck**, was towing a trailer with a bulldozer on it, said Jeremy Woodrow, a DOT communications officer. The DOT driver, identified by troopers as 60-year-old James Woodhouse of Valdez, was taking the bulldozer from one maintenance station to another, Woodrow said.

Ipsen said the DOT **truck** had slowed to make a left turn onto a pullout on the other side of the highway.

"Due to the blowing snow, the driver of the school **bus** didn't see the turn signal and didn't see the (**truck**) slowing down, and rear-ended it," Ipsen said.

The charter **bus** went into a ditch, pinning and seriously injuring Brown, Ipsen said.

Brown has worked for the charter company for more than 15 years, said Margaret Baxter, a spokeswoman for Unique **Bus** Charters. He also works as a **bus** driver for the Kenai Peninsula Borough School District and has a good driving record, she said.

An ambulance brought Brown to a Valdez hospital, from which he was later transported to Anchorage. He is being treated for serious but non-life-threatening injuries, Ipsen said.

Baxter said this is the first major driving accident in the charter company's history.

The **bus** was carrying 49 people -- 43 students and 6 adults -- from the Kenai Peninsula to Valdez for the **ski** meet, said Pegge Erkeneff, a spokeswoman for the Kenai school district. That count included 28 members of the Kenai Central High School cross-country **ski** team and 15 from the Skyview High School team, as well as coaches from both **teams**, Erkeneff said.

One student was thrown against the seat in front of him and was transported by ambulance to the hospital with minor injuries, along with the DOT driver, who said he had back pain, Ipsen said.

The rest of the students were picked up by Valdez City School District buses and taken to be evaluated by a triage team at Hermon Hutchens Elementary School in Valdez, Erkeneff said. After that, several students were taken to Providence Valdez Medical Center for further evaluation, she said.

Mitch Michaud, chair of the Kenai Nordic **Ski** Club booster club, said two of his children are members of the Kenai Central High School **ski** team and were on board the **bus** when the crash happened.

Despite spotty reception, he reached his 16-year-old daughter Madeleine on her cellphone after the crash. She said that when the **bus** came to a sudden stop, "that was really scary, like slowing down really fast," Michaud said.

"A lot of kids got bounced," he said.

Madeleine told him she hurt her shoulder but was otherwise OK.

"I think she's just glad that nothing really worse happened," Michaud said.

Michaud said he was comforted that the students were aboard a charter **bus** rather than a standard school **bus** and that Unique Charters typically transports **teams** to compete in Fairbanks.

It's uncommon for Kenai schools to travel the roughly 450 miles to Valdez. The **teams** usually plan to make the trip every four years, Michaud said.

The **bus** left Thursday, and the students stayed in Palmer on Thursday night before heading out for Valdez the next day.

The students' first race of the Valdez Invitational was supposed to start at 3:30 p.m. on Friday, with races continuing Saturday, Michaud said.

But in a statement Friday evening, the school district said that the **teams** will not compete in the Valdez Invitational at all this weekend.

"Unique Charters is sending a replacement **bus** for the **teams**, which plans to leave Valdez and drive back to the central peninsula midday," the statement said.

By about 6:50 p.m. Friday, most of the students who had gone to the hospital had been treated and released, and were eating a spaghetti dinner, Erkeneff said in an email. She said a few were still waiting at the hospital to be evaluated.

"I thank all of the staff from Valdez City Schools, the Valdez Emergency Services, Valdez Police, personnel at the Valdez Hospital, and the Alaska State Troopers for their immediate and professional response to today's accident," Steve Atwater, superintendent of the Kenai school district, said in a statement. "The location of the accident made the response difficult, we are thankful that these agencies are so well trained."

He also thanked local families who volunteered to bring food to the students and opened their homes to parents who came on the trip.

Reach Devin Kelly at dkelly@adn.com or 257-4314.



Deploy C.O.W. at Thompson Pass DOT for the Spring Ski Season



In 2010, three back country skiers were caught in an avalanche near Thompson Pass. Two of the skiers searched for and found the third. She was completely buried and in grave condition. After extracting her from the snow, one skier used her Copper Valley cell phone to call a ski tour operator located miles away who was able to dispatch a rescue helicopter. The victim was flown to the Valdez hospital. It was relayed to us that without the quick rescue, made possible by the use of Copper Valley's cell service, this incident would likely have resulted in death.

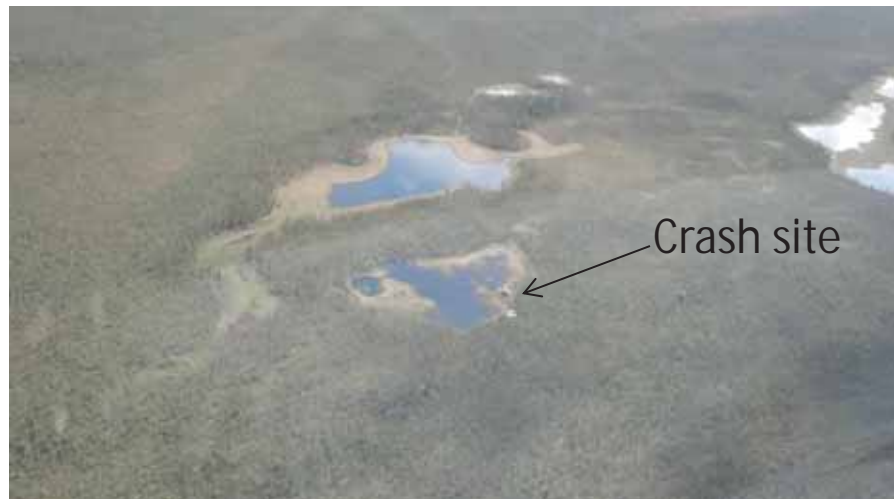
Dave Bruss's life saved due to 911 call placed from Cannon Hill site in Chitina, 7/5/2013



Copper Valley Wireless Says USF Support Helps Save Lives

Copper Valley Wireless filed a [letter](#) on August 29, 2013, to detail how its USF-supported cell site in remote Alaska assisted in a recent emergency situation. CVW said without support from universal service funding, this particular cell site would not have been deployed, and very likely, human life would have been lost. CVW said the FCC must work to adopt rules that ensure the continued funding to rural wireless carriers that operate the only wireless facilities in these remote areas.

Copper Valley Technician uses CVW Canon Hill cell site to call for rescue after plane crashes on a service call to McCarthy, Alaska



Copper Valley Wireless files in 2014

Naked Island Site



- **Located in Prince William Sound**
- **3G and 4G LTE Data**
- **Oil Tanker traffic**
- **Alaska Marine Highway (ferry)**
- **Commercial fishing**
- **Recreational boating**
- **Annual Operating Cost: \$334,000**
- **Population: 0**

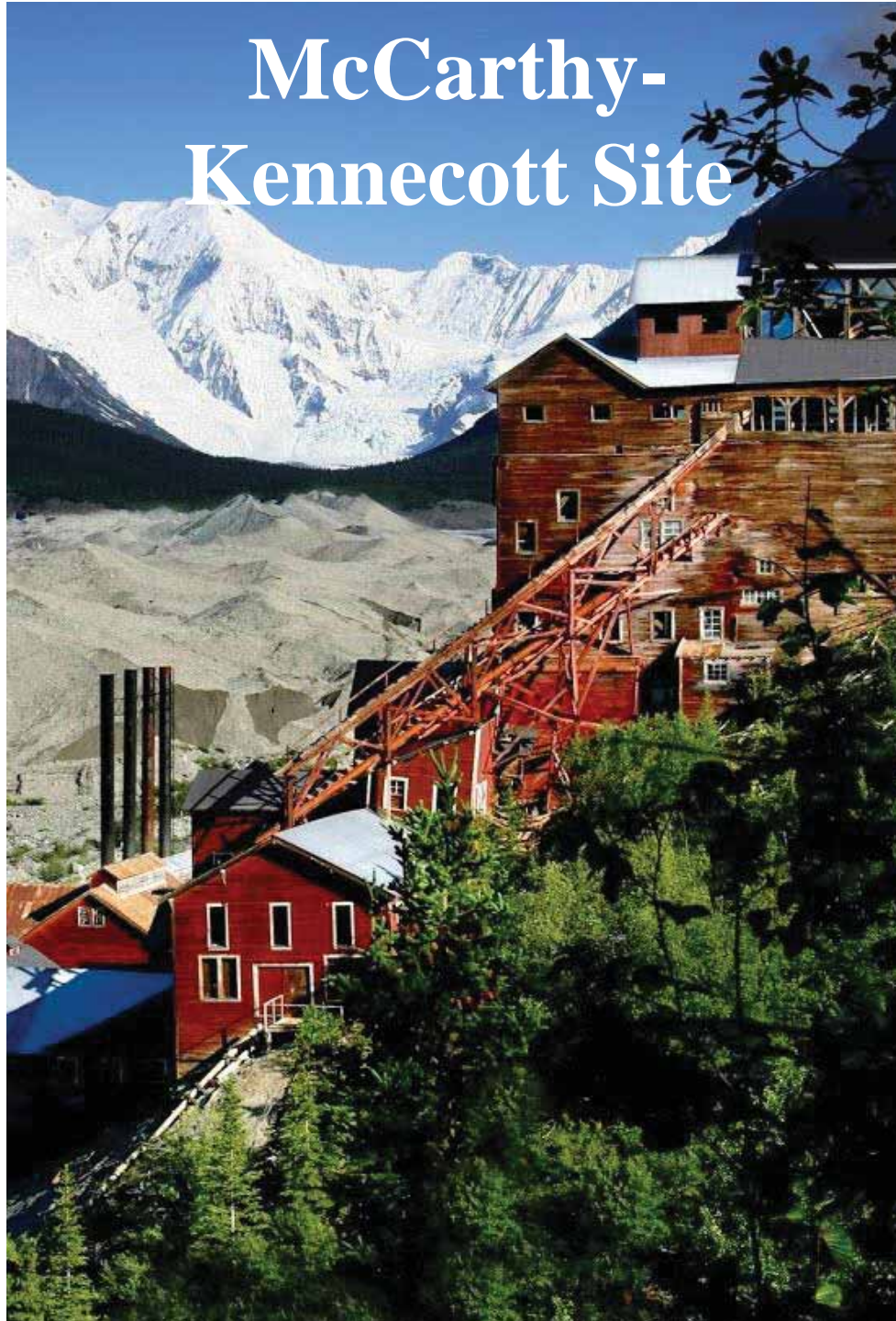
09/04/2009

Village of Tatitlek Site

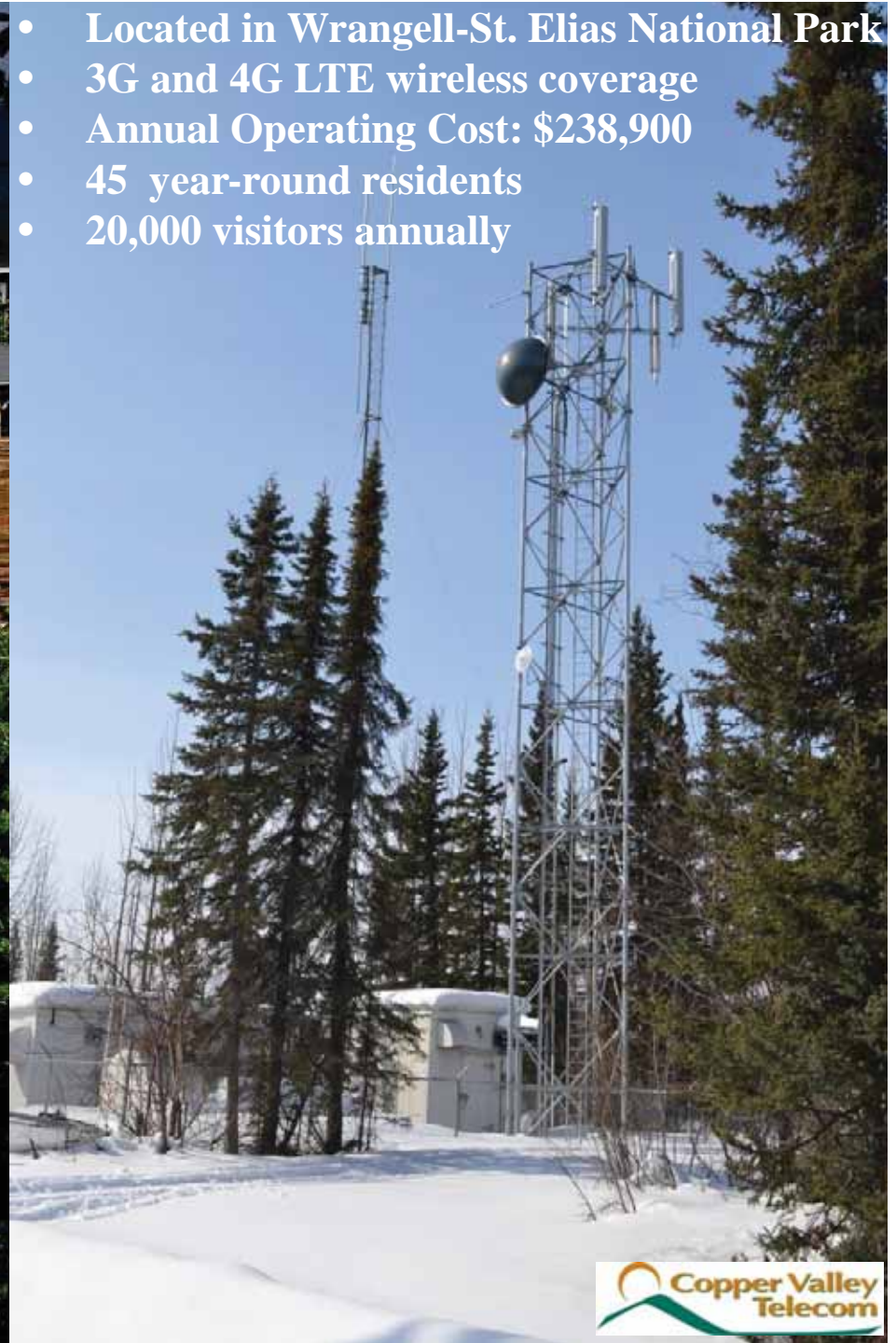
- Native Village of Tatitlek
- Located in Prince William Sound
- 3G and 4G LTE wireless coverage
- Annual Operating Cost: \$165,000
- 60 year-round residents



McCarthy-Kennecott Site



- Located in Wrangell-St. Elias National Park
- 3G and 4G LTE wireless coverage
- Annual Operating Cost: \$238,900
- 45 year-round residents
- 20,000 visitors annually



Slana Fiber Extension

- Located 70 miles from Glennallen
- Four miles of fiber, copper drops, one electronics cabinet
- Cost of installation: \$680,000
- Anticipated customers: 25



Contact Information



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